

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/265 H01L21/20 H01L21/336 H01L29/78

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 602 045 A (KIMURA ET AL) 11 February 1997 (1997-02-11) column 4, line 32 - line 54; figure 5B column 5, line 38 - line 46; figure 5D -----	8-10
X	US 5 223 445 A (FUSE ET AL) 29 June 1993 (1993-06-29) figure 6 -----	8-10
A	US 6 251 757 B1 (YU BIN) 26 June 2001 (2001-06-26) column 3, line 35 - column 4, line 52; figures 2-5 -----	1-10
A	US 6 555 439 B1 (XIANG QI ET AL) 29 April 2003 (2003-04-29) column 5, line 20 - column 6, line 56; figures 2D-2F -----	1-10
	----- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

9 February 2005

Date of mailing of the international search report

16/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Nesso, S

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 372 591 B1 (MINEJI AKIRA ET AL) 16 April 2002 (2002-04-16) column 10, line 58 - column 11, line 44; figures 4A-4F -----	1-10
A	US 6 521 502 B1 (YU BIN) 18 February 2003 (2003-02-18) column 5, line 31 - column 7, line 6; figures 1-6 -----	1-10
A	US 6 063 682 A (SULTAN ET AL) 16 May 2000 (2000-05-16) cited in the application abstract; figures 1a-1h -----	1-10
A	US 6 380 044 B1 (TALWAR SOMIT ET AL) 30 April 2002 (2002-04-30) figure 3A5B -----	1-10
A	US 5 407 838 A (OHNISHI ET AL) 18 April 1995 (1995-04-18) column 2, line 65 - column 3, line 31 -----	1-10
A	LINDSAY R ET AL: "A COMPARISON OF SPIKE, FLASH, SPER AND LASER ANNEALING FOR 45NM CMOS" MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS, MATERIALS RESEARCH SOCIETY, PITTSBURG, PA, US, vol. 765, 22 April 2003 (2003-04-22), pages 261-266, XP008029377 ISSN: 0272-9172 the whole document -----	1-10
A	US 6 362 063 B1 (MASZARA WITOLD P ET AL) 26 March 2002 (2002-03-26) abstract -----	1-10

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

IB2004/052644

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5602045	A	11-02-1997	JP	8203842 A	09-08-1996
US 5223445	A	29-06-1993	JP	3104265 B2	30-10-2000
			JP	4212418 A	04-08-1992
US 6251757	B1	26-06-2001	NONE		
US 6555439	B1	29-04-2003	NONE		
US 6372591	B1	16-04-2002	JP	11168069 A	22-06-1999
			CN	1219756 A ,C	16-06-1999
			TW	400551 B	01-08-2000
US 6521502	B1	18-02-2003	NONE		
US 6063682	A	16-05-2000	NONE		
US 6380044	B1	30-04-2002	WO	0180300 A1	25-10-2001
US 5407838	A	18-04-1995	JP	5021448 A	29-01-1993
US 6362063	B1	26-03-2002	NONE		